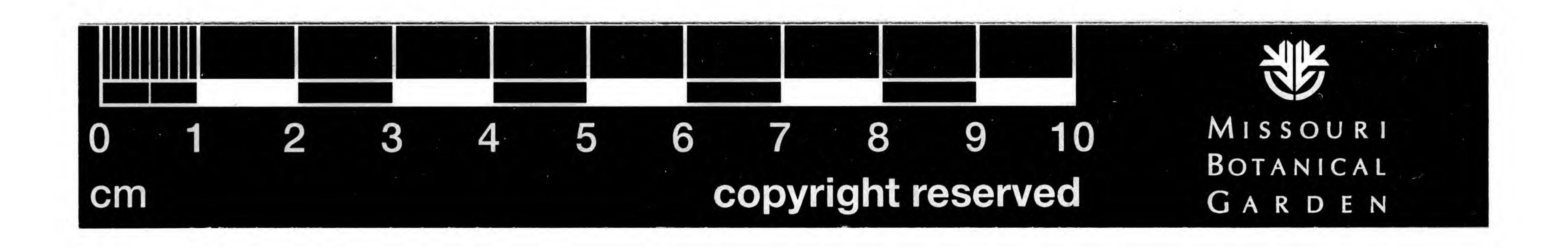
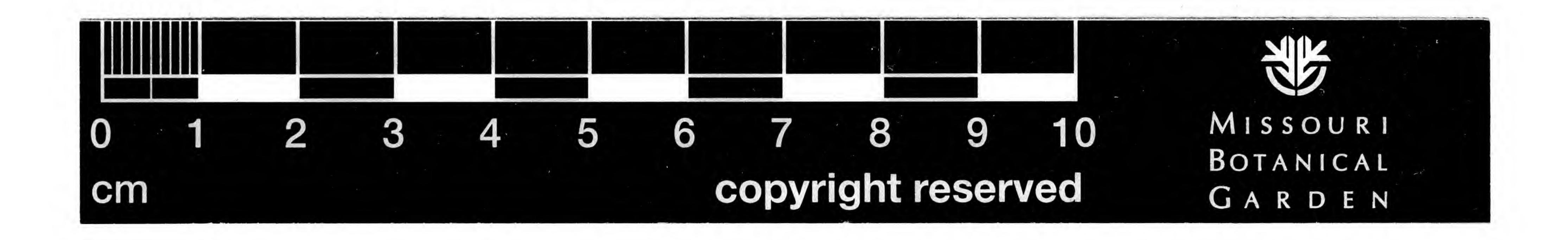


Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Notes on some of the western I ines . - A Thorough person in vistigation of the wistern Conifer in their native points made last season in company of Orif C. S. Sargent, though it has not led to the discovery of any new species, has suggested some modifications of the vices held heretofre in regard to severel forms, which I har published in the 2 vol of the flow of California and in my paper on The Vinas Ellioblis ( Frans. Ar. SE. Aldonis, Piaus albirantis Eng. with its globore pruple comes with short and thick scales, Though closely allied to I flexily is a district speries; for grognethere range see H. Calif. 1. reflexa, n.sp. 1. flexilis som reflexa, Ey. in Od. Wheeler Exp. 258 is very Nitivet from flyitis; it was Discovered by & Rothwork, again sun by own party, and lately by E. L. Greene, J. G. Lemman at C.g. Virigle on The higher Mounters of Souther Arigon al Western Mens mixiro. The young comes at first event on long xxx persundes become pendelous in the second year, just like those of the true Strobi , but the seeds are wingless like there of flyilis. P. strobisforming lag: in Wil. Mem. from the mountains of western Chihushaa, which lately has been considered us identical with the Muxian P. Ayarahuite is



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intermediate between this and our O reflexa, with the leaves and the large comes with reflexed scales of the former and the wringless seeds of the latter; 1. Valfouriana, Jeffr. was found in the original locality; Scotts Mountain, would Met Shasta, The clongated, sometimes almost cylindrical form of the come and the spongy thickness of the scales seem to distinguish it sufficiently from "anistate of Colombo with oral comes and flat and ligner soules, but retermediate forms found in Newsda and What appear to unite them extrace. 1. Torregana, Tarry, was for I the authors original locality, in company with that voteran emplorer himself Who uften 30 years revisited the scenes of his early discoveries. There is a grove of a few hundred trees on the sandstone hills south of Sole dad creek, where it enter, the orean some Sature north of San Diego and a Smiller grove on the northern side of the valley. Their is said to be the only Cornling for the species, which would then seem to be destitued to speady destination, as it is about the only true on those hills and as it some than not bestelliteted is In tenden that in climater where comfens are highest project, it can not be alknown Mr. J.C. Yarker of San Oriege has taken sevenle good stereoscopie views of the tree. P. Arizonica, Engela - vlokuler's Exp. 260 Mes been redistrevered by us in the Sante Aita Mountains, Anyma and has since been glowed on these and the Santa Catalin Mondants by E.G. Pringle, forming extensive forests tostem 6500 as 8000 feet alt mostly above the rying That species are stronge as indicated in work quotes and thinner than it of the hooting lever out, the cours more knobby and smaller a Min Lemmon and after him Her Vringle have Thown that in those Mountain P. ponderosa also sometom, occurs with & to 5 or Even 6 leaves in a bundle, but this is not regular, to

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George Engelmann Papers



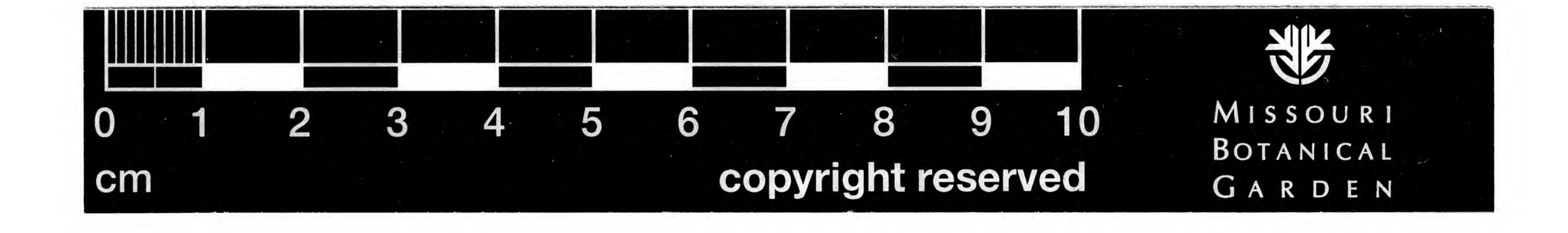
leaves an courser and longer and of a Siffed and tourise shoulare, you shoots brownish- green. Leffregi, Murr must be emsident dettat from P. penderosa; the glamous policie, the glamous epiternis of the young branches, the aromation, not resinous, over of the cut brushlets, the large cours with the cloudy reflexed their and sharp mucro of the scule, distinguish it Though the size alone of come and reeds many not be Taken in consideration. It grows generally on higher sellitudes them !! pondursa und in more and Coralities, have prarietly on the eastern or desirt close of the Sienes after as for south asthe San Vernandino Mouseting I. Chikuahuana, logal. scattering on the mountains of boother Arizona not get in flower in the Coginary of June, as Mr Vingle reports about the other spering growing with it are long passed. Its comes require three sessons to mature, a peculiarity only known of one other prime, the mediterraneen P. Pinea. I found in September the young suble mind comes of the zeason as large as pears, those of the year before of the size of small plums and the comes of two years ago pull your Bil green and the 2 inches boy. All These stayes of milwity are found on the same tree and offer two of them a the same axis. 1. tuberroulate, goods, though offin a descarf of 2 - 5" feel high

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we found on that Sheets 75 feet high and 2/2 feet in Nameter

and Port g. H. Collier of Eigene City reports if form; Cane trus in the Case Ist Organ.

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Pin Argonia Regelin i Del Wholes Rep. 11. 260 has been Jehrow by as on the South Nate Mit that's at long for i along forest on to high denote of those It fut Calabrai alig 5500-8000 ICA Diction to regard 1. porterosa The Shootman glasering the leaves shorte and Their the in otherise of trees. Motherman and after him I hagle have shown that the posterior il's oron, south, with so and is the inter the souther is ask degalor, out the applications ofthe long is referred ( e. c.) I produce they have much be construct histofunders to white defend it . The glass filinge, the glassicon spidening the you brancher, the assention and verilos over of the Out brokets the large Comes, with the closely replayed Thanks mure of the sealer : 156 years of though the above layer fige The Come is the second of my few it constructions have ford it generally hyper allthe, the produceron on i more and bracition of the dance death with the north fit to the the terms of the ter Attendet form they of a min for faction, we do a Mind Mosta to high a low. Little dante, De monto the Conner Mit is Obegon North Collies of Lymber x C. Chikuahuna logely is south of mit the youth styrum, at still 3 land a very liter flows Home, Aind tall bodge partiflowers A pechintery allaches to this free, as it comes shows captured require 3 years to maker while is know of out out often

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Cartinge Legel 1829 Lymony Notes on Calif. Trees by Amurray
in Brilangh new philos found vol X1. nen ser. 1860. p. 222 P. iksignis Sough. is the same or O? medite p.224. 1. Jeffreyi Oreg. Com. (Plater ) x g). p. 226 P. Murrayana Orgo. Com. gopher plane il with muricata Gordon Piretum ed. 2. 18/5 1. 272 P. Jeffregi Balfor 1.246 /? Murragam Belfor seforette minista 1.293 O' Salfourian Jefres Carrière conj 120. 1855 O. Jefregi Holdaws. Cat. Carrier Conf. 2'-ed. James - Jonh et 2 439 Peffrey Bef 463 A. Munayane Belfs refer to new into 425 O. B. Gam's - Jeff Parlet - 80.00 16.2. 393 O. Jeffrey: Mun. Org. Com. pate on Cay. Ton Colie, ful 379 Munyam Bef. Org. For refine defelly to municity P. Belforeniam hot here



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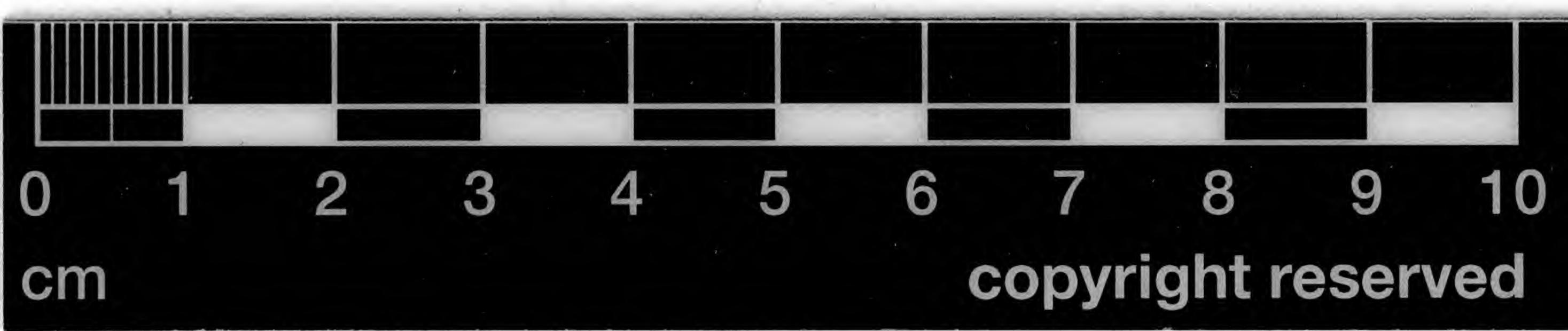
Celéforne 2 leaved Pity p.363 P. municata
364 P. rositorta



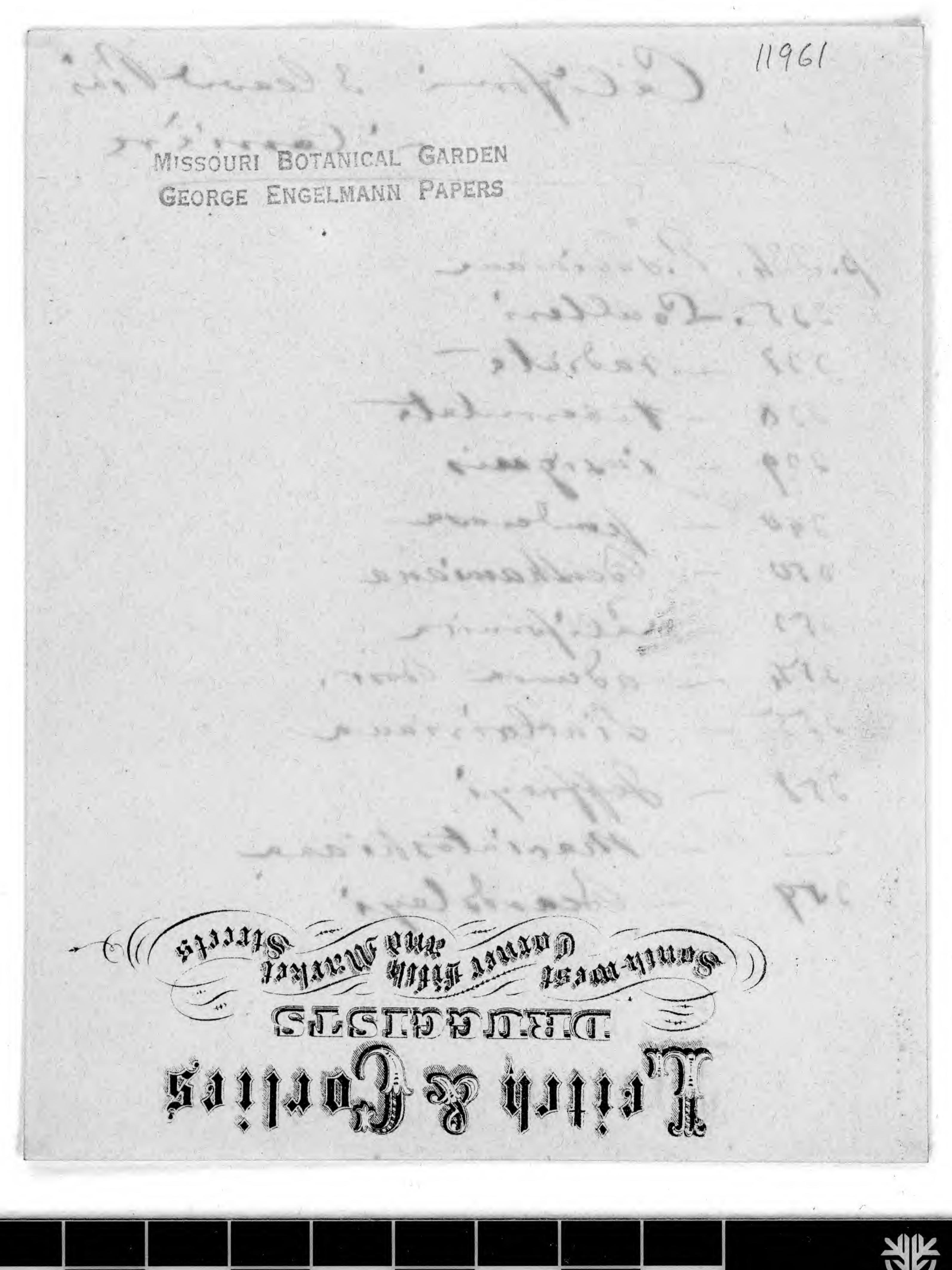


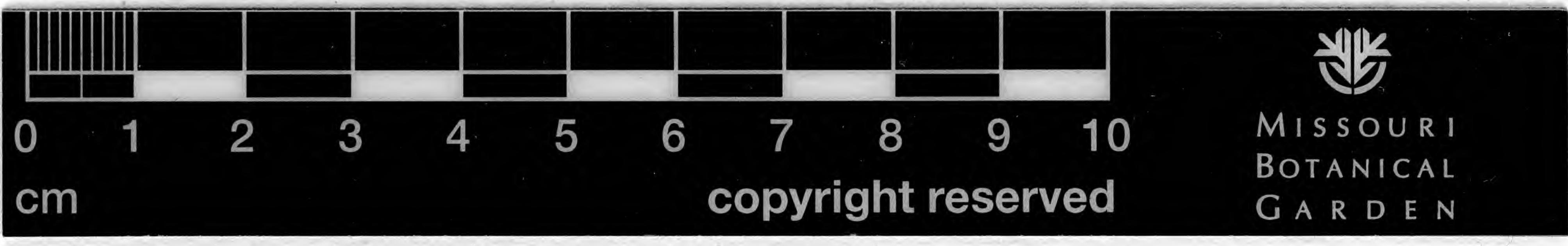


Calofoni 3 leavelius - Comière p. 334. P. Sabiaiane 335. Coulleri 237 \_ radiala 228 - Faberaleta 229 - insignes 240 - fembersa 350 - Denthamiana 350 – California 314 - aduna dorr. 253 - d'inclarrana 358 - Leffreyi Mariatoshiana 259 - Geardsleyi



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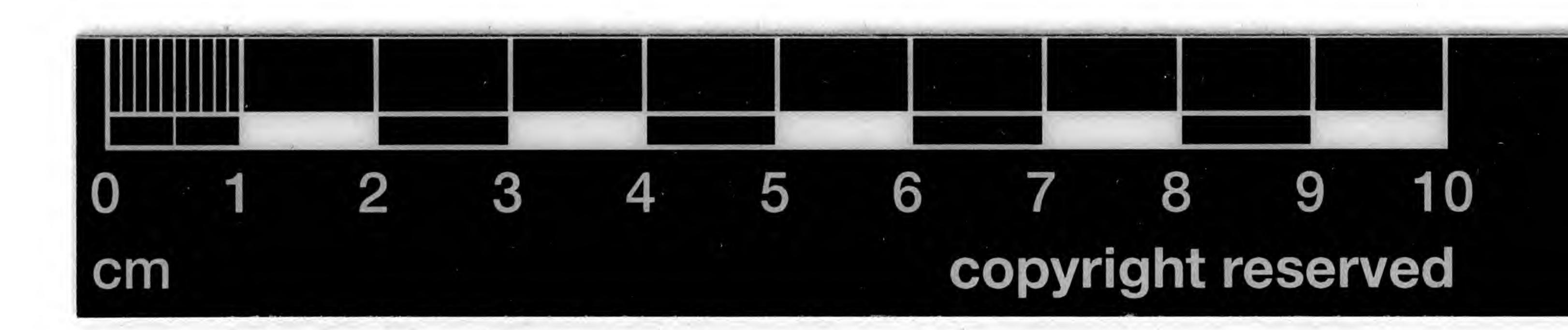


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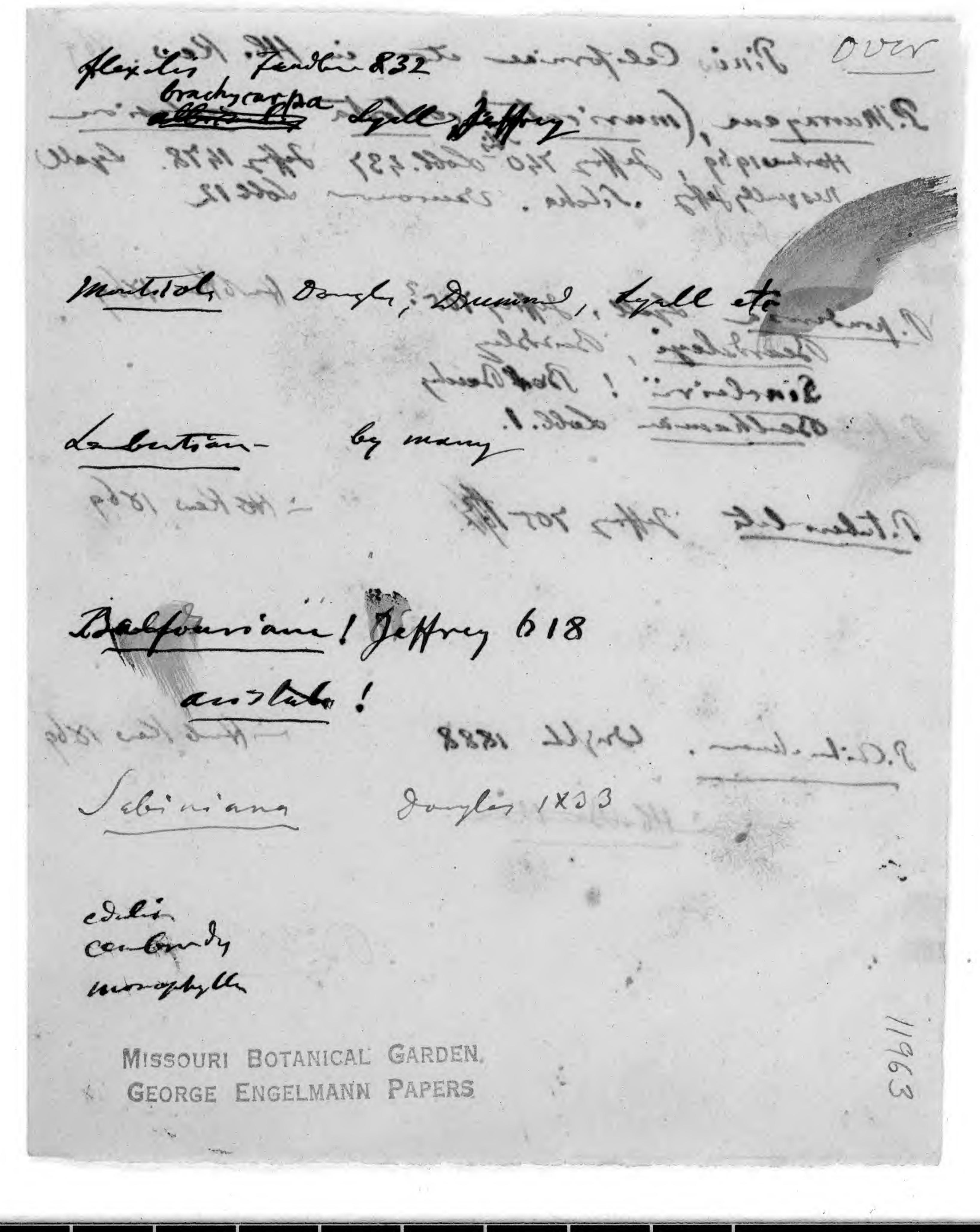
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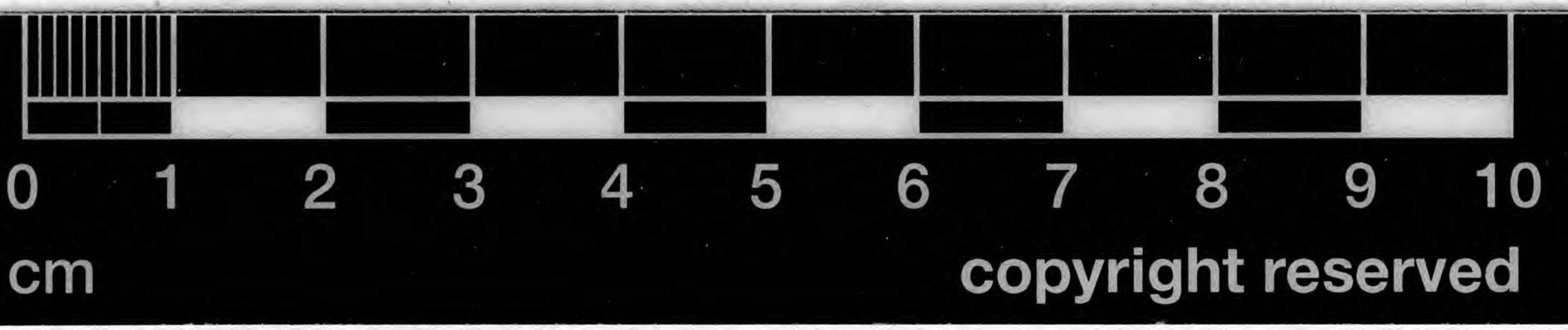
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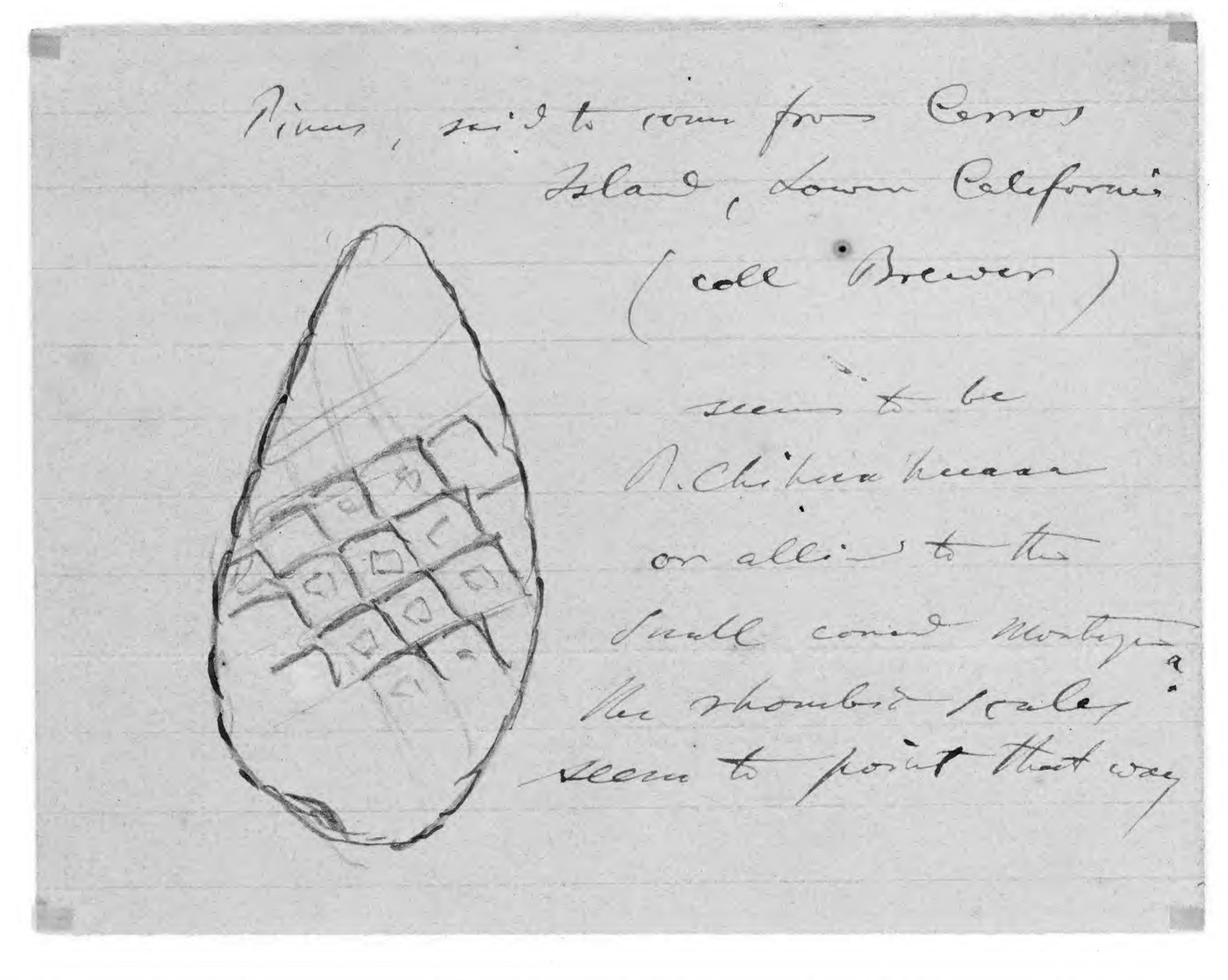
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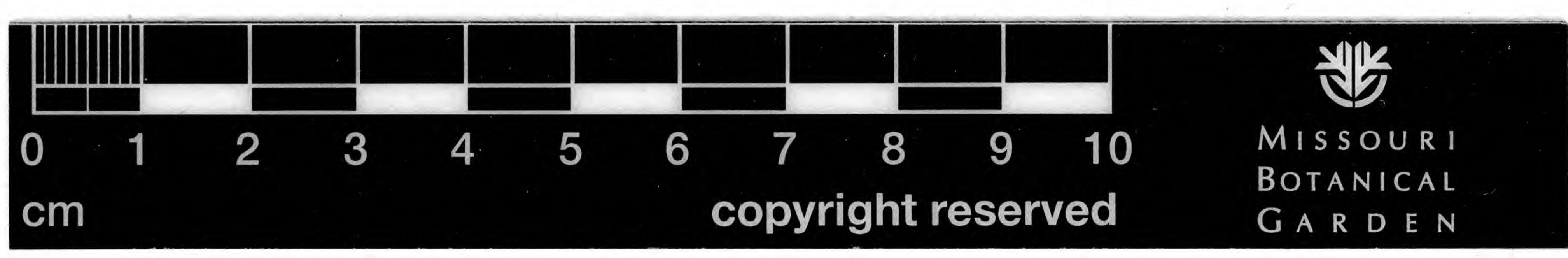
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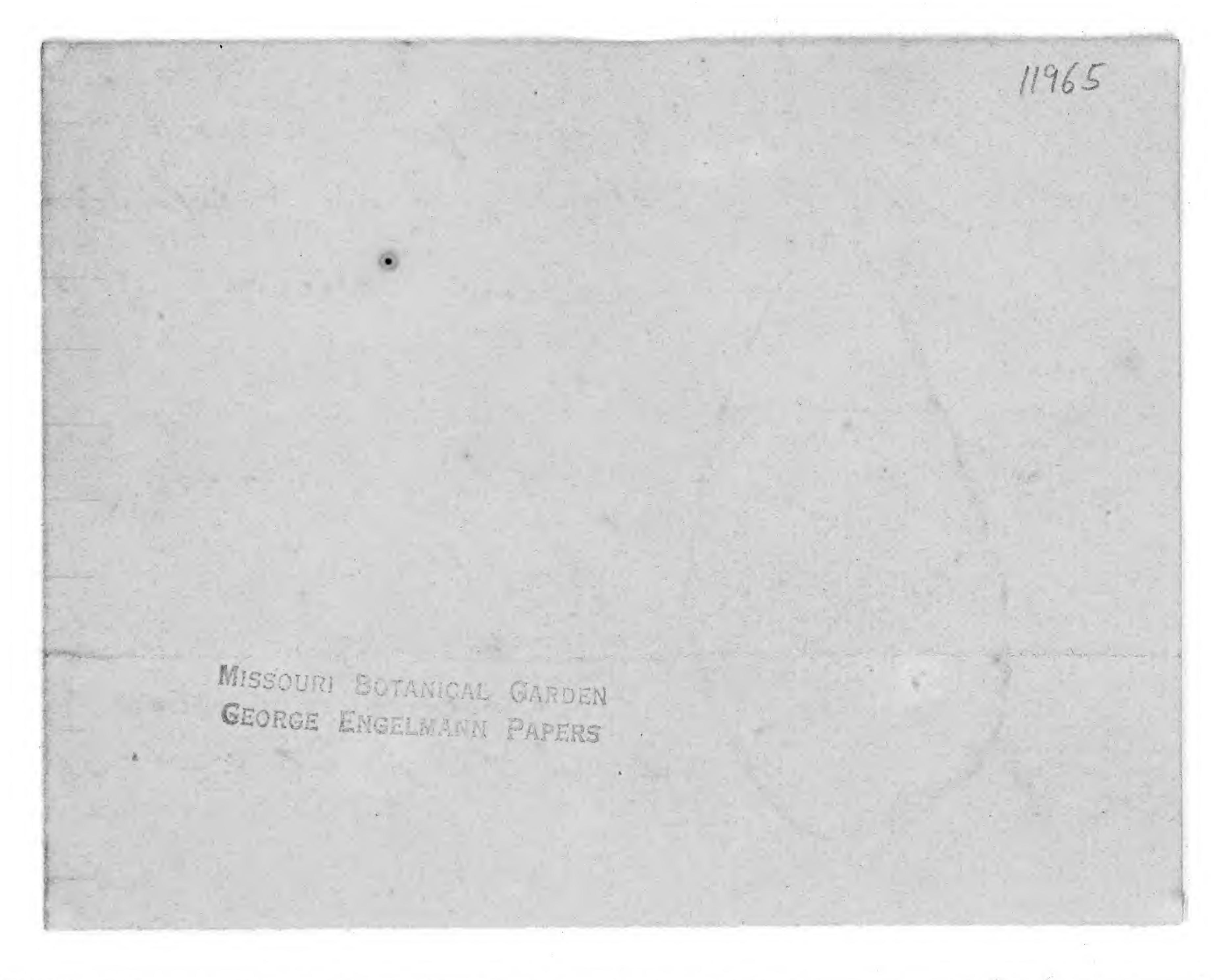
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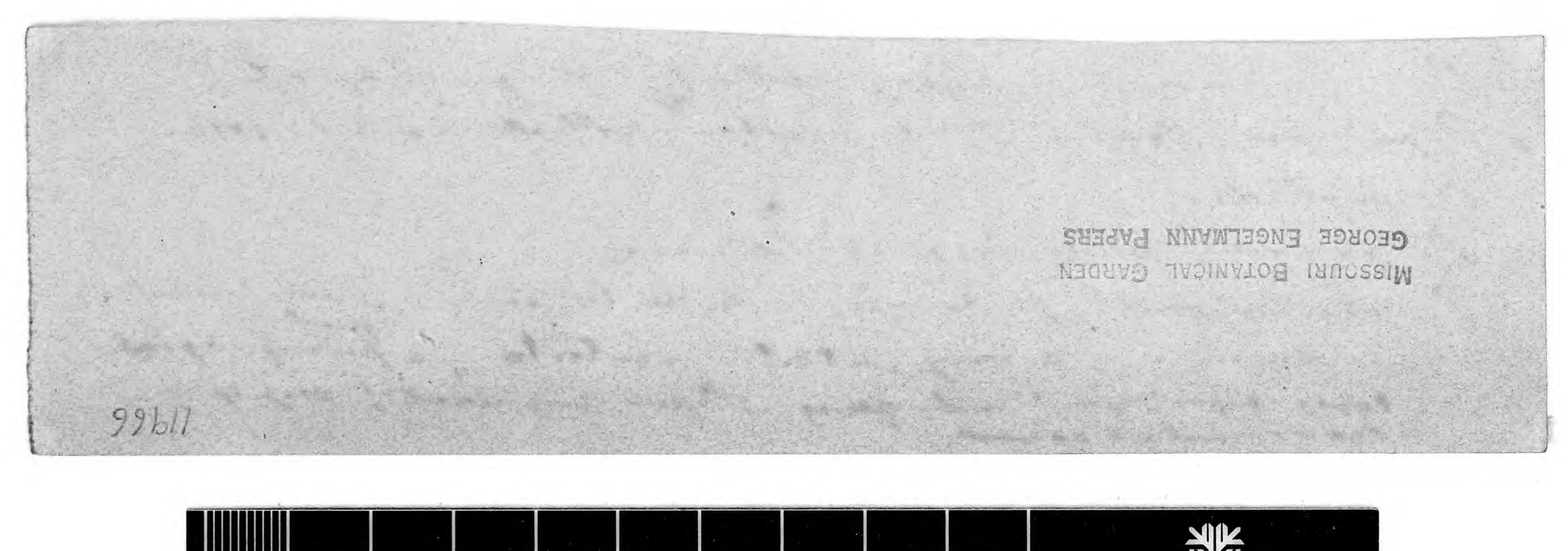
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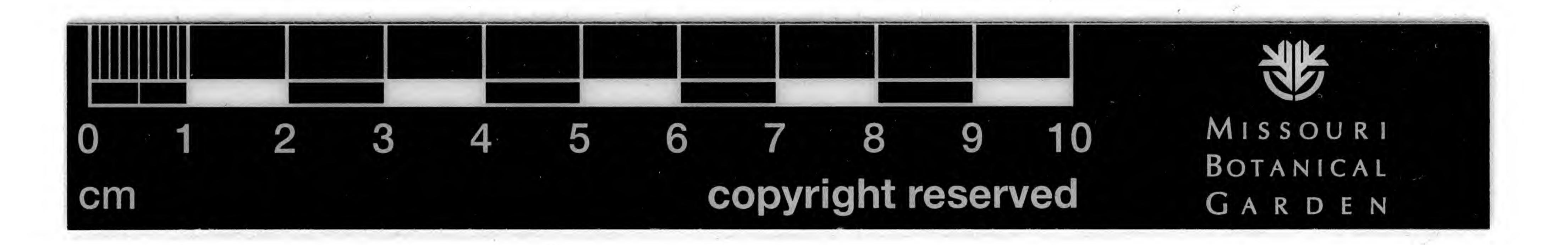
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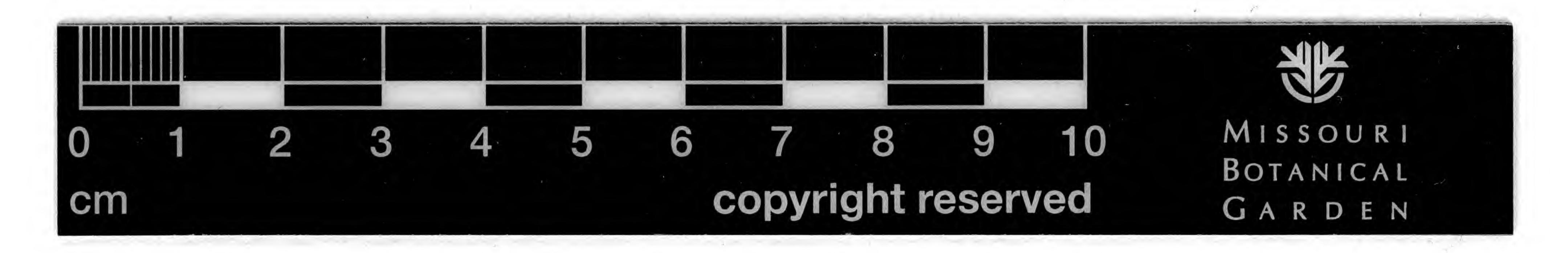
Pinus Lambertians, in the basis of the Merred with Cone, 22" long (usually 16-1x") I. Muir



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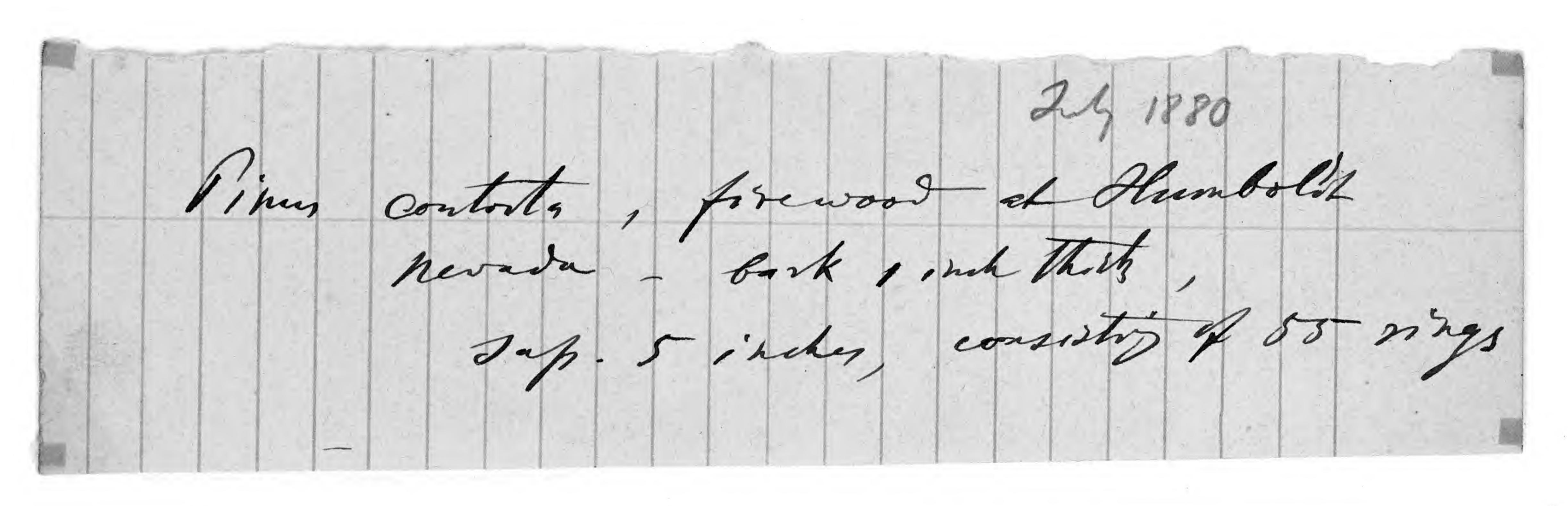


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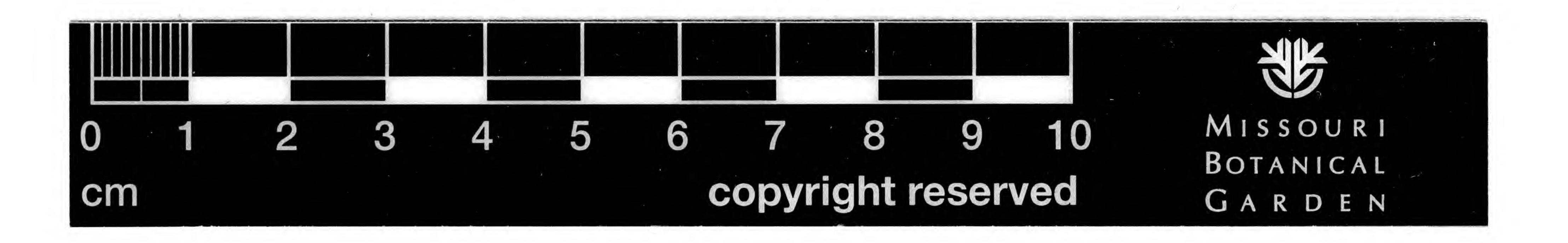


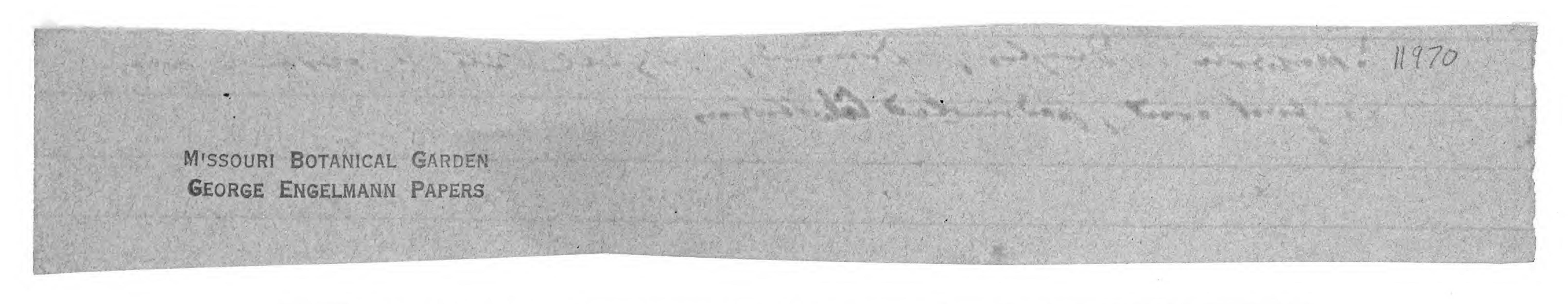




C. Mother Durches, Some, Lyall star - ferme rome of first ent, Jahn Sed like Startens.

Ho. Kas. Soft 4 1869







A. Landian, Singlas 'vijint sp. ri-, small branklet toka lyky The leaves are more pointed them in other Arobus forms, I the tiple - Originario speriore they are not even toother at apex i label sogs California 1873-54

